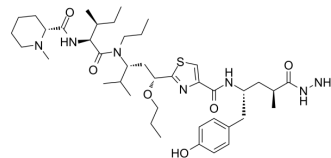


TAM470

Cat. No.:	HY-148128
CAS No.:	1802498-63-0
Molecular Formula:	C ₄₁ H ₆₇ N ₇ O ₆ S
Molecular Weight:	786.08
Target:	Microtubule/Tubulin; ADC Cytotoxin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (127.21 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2721 mL	6.3607 mL	12.7214 mL
		5 mM		0.2544 mL	1.2721 mL	2.5443 mL
10 mM		0.1272 mL	0.6361 mL	1.2721 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2 mg/mL (2.54 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (2.54 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	TAM470 is a novel cytotoxic, inhibiting tubulin polymerization and microtubule depolymerization. TAM470 can be used in the synthesis of OMTX705 as payload molecule, OMTX705 is a novel FAP-targeting antibody-drug conjugates (ADCs) with antitumor activity ^[1] .
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REFERENCES

[1]. Fabre M, et al. OMTX705, a Novel FAP-Targeting ADC Demonstrates Activity in Chemotherapy and Pembrolizumab-Resistant Solid Tumor Models. Clin Cancer Res. 2020 Jul 1;26(13):3420-3430.

Caution: Product has not been fully validated for medical applications. For research use only.

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